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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/534,736	36 05/12/2005 Josep Montanya Silvestre		0070.1100	9052
21171 STAAS & HAI	7590 07/07/200 LSEY LLP	EXAMINER		
SUITE 700	DV AVENIJE NIW	ROJAS, BERNARD		
1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			ART UNIT	PAPER NUMBER
			2832	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Applic	ation No.	Applicant(s)		
Office Action Summary		10/534	1,736	MONTANYA SIL	MONTANYA SILVESTRE, JOSEP	
		Exami	ner	Art Unit		
			ARD ROJAS	2832		
The MA Period for Reply	AILING DATE of this commu	nication appears on	the cover sheet w	ith the correspondence a	ddress	
WHICHEVER - Extensions of tim after SIX (6) MON - If NO period for re - Failure to reply w Any reply receive	ED STATUTORY PERIOD F IS LONGER, FROM THE N e may be available under the provision NTHS from the mailing date of this com pply is specified above, the maximum s ithin the set or extended period for repl d by the Office later than three months m adjustment. See 37 CFR 1.704(b).	MAILING DATE OF s of 37 CFR 1.136(a). In no munication. tatutory period will apply ar y will, by statute, cause the	THIS COMMUNI of event, however, may a nd will expire SIX (6) MON application to become Af	CATION. reply be timely filed NTHS from the mailing date of this BANDONED (35 U.S.C. § 133).		
Status						
2a)⊠ This act 3)⊡ Since th	sive to communication(s) file ion is FINAL . is application is in condition accordance with the pract	2b)⊠ This action in for allowance exce	s non-final. ept for formal matt	·	ne merits is	
Disposition of CI	aims					
4a) Of th 5)⊠ Claim(s) 6)⊠ Claim(s) 7)□ Claim(s)) <u>38-40,45-48,71-73 and 75</u> e above claim(s) is/a) <u>46-48</u> is/are allowed.) <u>38, 39, 40, 45, 71-73 and</u>) is/are objected to.) are subject to restri	are withdrawn from 75 is/are rejected.	consideration.			
Application Pape	ers					
10)∭ The drav Applicant Replacer	cification is objected to by the ving(s) filed on is/are to may not request that any objected to declaration is objected to the control of the control	e: a) accepted or ection to the drawing(g the correction is red	s) be held in abeyar quired if the drawing	nce. See 37 CFR 1.85(a). I(s) is objected to. See 37 (` '	
Priority under 35	U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) 🔲 Notice of Drafts	ences Cited (PTO-892) person's Patent Drawing Review (closure Statement(s) (PTO/SB/08) il Date		Paper No(Summary (PTO-413) s)/Mail Date nformal Patent Application 		

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DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Embodiment 2, claims 38, 39, 40, 45-48 and 71 in the reply filed on 08/28/2007 is acknowledged.

Claims 41-44 and 49-70 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 08/28/2007.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 38, 39, 40, 45, 71-73 and 75 are rejected under 35 U.S.C. 102(e) as being anticipated by Deligianni et al. [US 6,917,268].

Claim 38, Deligianni et al. discloses a miniaturized relay [100, figures 1 and 2] comprising: a first condenser plate [V1]; a second condenser plate [V2] facing said first condenser plate, in which said second plate is smaller than or equal to said first plate; an intermediate space [figures 1 and 2]; a conductive element [6, 7, 8, A1, A2] arranged in said intermediate space, said conductive element being a detached part [6, 7 A1, A2]

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for movement freely along the intermediate space [denoted by the arrows adjacent to 7] between a first end of said intermediate space, defining a first zone [left, 6 moves to close contact C1], and a second end of said intermediate space, defining a second zone [right, 6 moves to close contact C2], said movement depending on voltages present in said first and second condenser plates [col. 2 lines 65 to col. 3 line 9 and col. 4 lines 9-12], where said first condenser plate is arranged in said first zone [left] and said second condenser plate is arranged in said second zone [right]; a third condenser plate [V4] arranged in said second zone [right], in which said third condenser plate is smaller than or equal to said first condenser plate, and in which said second and third condenser plates are, together, larger than said first condenser plate [figure 2]; and a first contact point of an electric circuit [2, RF out contact], a second contact point of said electric circuit [RF in contact point right], in which said first and second contact points define first stops, wherein at least one of said first, second and third condenser plates induce a charge distribution in said conducting element [via A1 or A2] that forces said conducting element to move along the intermediate space, wherein, when said element contacts said first stops said conductive element closes said electric circuit [col. 4 lines 9-12], and wherein a closing of the electric circuit occurs even though the conductive element remains at a voltage in principle unknown, which will be forced by the electric circuit that is closed [the electrical circuit is closed when voltages are applied to the various electrodes V—V3 regardless of the voltage in the conductive element 7, col. 2 lines 65 to col. 3 line 9 and col. 4 lines 9-12].

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Claim 71, Deligianni et al. discloses the relay according to claim 38, further comprising a substrate [S] that defines, with the first, second and third condenser plates and the first stops, the intermediate space, and conductive element's movement is in a substantially direction perpendicular to the substrate [figure 1c, 9 holds 6 above the substrate].

Claim 39, Deligianni et al. discloses the relay according to claim 71, wherein said first contact point [2, RF out] is in said second zone [right].

Claim 40, Deligianni et al. discloses the relay according to claim 39, wherein said second contact point [RF signal in right] is in said second zone [right].

Claim 45, Deligianni et al. discloses the relay according to claim 71, further comprising: a second stop [1, Rf out and Rf signal in left] in said first zone [left].

Claim 72, Deligianni et al. discloses the relay according to claim 38, the closing of the electric circuit occurring even though the conductive element remains at a voltage in principle unknown [the electrical circuit is closed when voltages are applied to the various electrodes V—V3 regardless of the voltage in the conductive element 7, col. 2 lines 65 to col. 3 line 9 and col. 4 lines 9-12] since said conductive element being not in electrical contact with its surroundings when moving across said intermediate space [figures 1 and 2].

Claim 73, Deligianni et al. discloses the relay according to claim 72, the conductive element [7, 8] being not in electrical contact with walls that define said intermediate space when moving across said intermediate space [figure 1 and 2].

Claim 74, Deligianni et al. discloses a miniaturized relay comprising: a first condenser plate [V1] in a first zone [left]; a second condenser plate [V2] and a third condenser plate [V4] in a second zone [right]; and a conductive element [7, 8] capable of freely moving along an intermediate space [as denoted by the arrows, figure 1] between a first end of said intermediate space and defining the first zone [left] and a second end of said intermediate space defining the second zone [right] and not in electrical contact with walls that define the intermediate space when moving [figures 1 and 2], the movement of the conductive element depending on voltages present in the first and second condenser plates, and not the conductive element voltage[col. 2 lines 65 to col. 3 line 9 and col. 4 lines 9-12].

Claim 75, Deligianni et al. discloses a miniaturized relay [100, figures 1 and 2] comprising: a first condenser plate [V1] in a first zone [left side]; a second condenser plate [V2] and a third condenser plate [V4] in a second zone [right side]; and a conductive element [6, 7, 8, A1, A2] that is not in electrical contact with walls that define a space when moving [figure 2], wherein at least one of said first, second and third condenser plates induces a charge distribution in the conductive element [via A1, A2] that forces said conductive element to move between a one end of a space and defining the first zone [left, 6 moves to close contact C1], and an other end of the space defining the second zone [right, 6 moves to close contact C2].

Allowable Subject Matter

Claims 46, 47 and 48 are allowed.

Response to Arguments

Applicant's arguments with respect to claims 38, 39, 40, 45, 46 and 71 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BERNARD ROJAS whose telephone number is (571)272-1998. The examiner can normally be reached on M and W-F, 10:00-7:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin G. Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Elvin G Enad/ Supervisory Patent Examiner, Art Unit 2832

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